



Appl. No. 10/633,859  
Amdt. dated June 23, 2005  
Reply to Office action of April 15, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A vacuum cleaner filter cartridge for a vacuum cleaning machine, comprising:

a cartridge body having an inlet and an outlet;

a first fan folded, single ply or multi layered filter for filtering air disposed therein between the said inlet and outlet portions of ~~the cartridge body shell~~ the cartridge body;

a pair of shells forming said cartridge and holding the fan-folded said filter paper;

said cartridge having a top cover shell which receives the inlet aperture.

said cartridge having a lower cover shell which ~~containing~~ contains the outlet aperture[[]];

said [[Said]] top shell and said lower shell being generally square in cross section with two adjacent large radius corners and two adjacent small radius corners.

Claim 2 (currently amended): A filter cartridge as in claim 1, wherein said outside cartridge has and ~~outside~~ length dimension of less than 11.80 inches (300 mm) and greater than 11.17 inches (284 mm).

Claim 3 (currently amended): A filter cartridge as in claim 1, wherein said cartridge has ~~[[an]]~~ outside width dimensions less than 5.70 inches (145 mm) and greater than 5.07 inches (128 mm).

Claim 4 (currently amended): A filter cartridge as in claim 1, ~~wheretwo~~ where two adjacent, longitudinal radii are less than 0.50 inches (12.7 mm) and greater than 0.40 inches (10.2 mm).

Claim 5 (original): A filter cartridge as in claim 1, wherein two said adjacent, longitudinal radii are less than 0.125 inches (3.2 mm) and greater than 0.075 inches (1.9 mm).

Claim 6 (currently amended): A filter cartridge as in claim 1, wherein an inside diameter of said inlet is less than 1.26 inches (32 mm) and greater than 1.16 inches (29.5 mm).

Claim 7 (currently amended): A filter cartridge as in claim 1, wherein an inside diameter of said outlet is less than 1.95 inches (49.5 mm) and greater than 1.85 inches (47 mm).

Claim 8 (canceled)

Claim 9 (currently amended): A filter cartridge as in claim 1[[8]] wherein said filter is rated a HEPA filter.

Claim 10 (currently amended): A filter cartridge as in claim 1[[8]] wherein said filter is rated an ULPA filter.

Claim 11 (currently amended): A filter cartridge as in claim 1[[8]] wherein said fan folded filter includes at least 25 pleats.

Claim 12 (origin): A filter cartridge as in claim 1[[8]] wherein said fan folded filter contains pleats at least .75 inches (19.05 mm) in depth.

Claim 13 (currently amended): A vacuum cleaner filter cartridge for a vacuum cleaning machine, comprising:

a cartridge body having an inlet and an outlet;

at least a single layered fan folded filter for filtering air disposed therein between the said inlet and outlet portions of the cartridge body ~~[[shell]]~~;

a pair of shells forming said cartridge and holding the fan-folded ~~said filter paper~~ filter;

said cartridge having a top cover shell which receives the inlet aperture;

said cartridge having a lower cover shell which ~~containing~~ contains the outlet aperture;

said ~~[[Said]]~~ cartridge having an outside length dimension ~~[[is]]~~ less than 11.80 inches (300 mm) and greater than 11.17 inches (284 mm);

said ~~[[Said]]~~ cartridge having an outside width dimensions less than 5.70 inches (145 mm) and greater than 5.07 inches (128 mm);

said ~~[[Said]]~~ cartridge having two adjacent, longitudinal radii ~~[[are]]~~ less than 0.50 inches (12.7 mm) and greater than 0.40 inches (10.2 mm);

said ~~[[Said]]~~ cartridge having two adjacent, longitudinal radii ~~[[are]]~~ less than 0.125 inches (3.2 mm) and greater than 0.075 inches (1.9 mm).

Claim 14 (canceled)

Claim 15 (currently amended): A filter cartridge as in claim 14, where the said ~~manufacturers~~ vacuum cleaning machines are selected from the group consisting of;

- a) Atrix International, Inc.: Omega, Omega Supreme, UltiVac, UltiVac DLX, Menda Vac
- b) The 3M field Corporation: service vacuum cleaners models 497AJ, 497AB, 497AJH, 497ABD, 497AJK, 497AJM
- c) LaserVac, an Eltrex Company: The Shark 9000 series II.